



**INTEGRAL  
UNIVERSITY**



## DEPARTMENT OF CHEMISTRY



Dated: 01<sup>st</sup> February 2025


### Notice

#### **Subject: Outreach/Extension Activity on "Awareness on Adulteration in Spices"**

The Department of Chemistry, Integral University, Lucknow, in collaboration with the National Service Scheme (NSS), is organizing an outreach/extension activity focused on the topic "Awareness on Adulteration in Spices" at Cambridge Convent School, Paikaramau Kursi Road, Lucknow on 08<sup>th</sup> February 2025 from 10:00 am onwards.

This initiative aims to raise awareness about how to check adulteration in spices at the local level and highlight its harmful effects on health and well-being.

All students, faculty members, and staff of Department of Chemistry are invited to participate in this important event. The event will include demonstrations on identifying adulterated spices, discussions on the risks involved, and practical steps for ensuring spice purity in daily use.

  
1.2.25  
(Prof. Abdul Rahman Khan)  
Head, Department of Chemistry  
Integral University, Lucknow  
Department of Chemistry  
Integral University, Lucknow



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## DEPARTMENT OF CHEMISTRY



### **Extension Activity Report: "Awareness on Adulteration in Spices" held on 8<sup>th</sup> February, 2025**

The Department of Chemistry, Integral University, Lucknow, in a proactive step towards promoting public health and safety, organized an outreach/extension activity titled "Awareness on Adulteration in Spices." This significant initiative was undertaken in collaboration with the National Service Scheme (NSS) and was held at Cambridge Convent School, Paikaramau Kursi Road, Lucknow, on the 8th of February 2025, commencing at 10:00 am. The primary motivation behind this program was to educate the students about the pervasive issue of spice adulteration, equip them with practical methods for identifying adulterants at a local level, and elucidate the serious health consequences associated with the consumption of impure spices.

The outreach/extension activity garnered enthusiastic participation from a group of 30 students from undergraduate and postgraduate programs and 07 faculties within the Department of Chemistry.

#### **Objectives of the Activity:**

The core objectives of this outreach/extension activity were multifaceted and aimed at creating a lasting impact on the understanding and practices of the participants. These objectives included:

- **Enhancing Public Awareness**
- **Imparting Detection Skills**
- **Emphasizing Health Hazards**
- **Promoting Preventive Measures**
- **Facilitating Community Engagement**

  
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### Activity Details and Methodology:

The outreach program was meticulously designed to be informative, interactive, and practically relevant, ensuring that the participants could readily apply the knowledge gained in their daily lives. The key components and methodologies employed during the activity were:

- **Introduction to the Scope of Spice Adulteration**
- **Practical Demonstrations of Detection Techniques:** These demonstrations included:
  - ✓ Water Solubility and Color Test
  - ✓ Visual and Tactile Inspection
  - ✓ Specific Adulterant Tests
  - ✓ Comprehensive Discussion on Health Risks
  - ✓ Empowering Steps for Ensuring Spice Purity
  - ✓ Regularly performing the simple detection tests demonstrated during the session at home.
  - ✓ Educating family members and the wider community about the issue of spice adulteration and how to avoid it.
- ✓ Interactive Question and Answer Session


### Outcomes and Impact:

The outreach/extension activity on "Awareness on Adulteration in Spices" proved to be highly effective in achieving its intended goals, leaving a significant positive impact on the participants. The key outcomes and impact of the event include:

- **Heightened Level of Awareness**
- **Acquisition of Practical Skills**
- **Enhanced Understanding of Health Implications**
- **Promotion of Proactive Practices**
- **Successful Inter-Departmental Collaboration**
- **Positive Contribution to Community Health**

The outreach/extension activity on "Awareness on Adulteration in Spices" was a impactful initiative undertaken by the Department of Chemistry, Integral University, in collaboration with the NSS. The program successfully educated and empowered the participants with essential knowledge and skills to address the significant problem of spice adulteration.


This report underscores the successful execution and positive outcomes of the outreach/extension activity. The Department of Chemistry, Integral University, remains dedicated to utilizing its

  
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knowledge and resources for the benefit of the community and will continue to engage in such impactful outreach initiatives in the future. The overall event facilitate us for a FIT India, SDG goals-3 of 'Good Health and Well-Being', Vikshit Bharat, Swastha and Swachh Bharat.



Interaction with students at Cambridge Convent School

  
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Demonstration by students from Integral University at Cambridge Convent School

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Explanation of difference between adulterated and unadulterated spices at Cambridge Convent School



Discussion about event at Cambridge Convent School

*[Handwritten Signature]*

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Presentation of University gift to principal of Cambridge Convent School

**Prepared by:**

Dr Mohammad Imran Ahmad  
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# INTEGRAL UNIVERSITY



Extension activity

Organized by

Department of Chemistry in collaboration with National Service Scheme (NSS)

on

Topic: "Awareness on Adulteration in Spices" at Cambridge Convent School, Paikaramau  
Kursi Road, Lucknow

Date: 08<sup>th</sup> February 2025

Day: Saturday

## Attendance Sheet

S. No.	Name	Class	Enrollment Number	Signature
01	Yusra Parveen	M.Sc (Chem.)	2100100894	Yusra Parveen
02	Shifa Abidi	M.Sc (Chem)	2400104695	Shifa Abidi
03	Bushra Jamshed	M.Sc (Chem)	2100101859	Bushra
04	Aaisha Suhail	M.Sc (IC)	2100102655	Aaisha
05	Mohd Arsh Khan	M.Sc Chemistry	2100102239	Arsh
06	Sushmita Verma	M.Sc (IC)	2400100676	Sushmita
07	Mohd Faizan Ali	M.Sc (Chem)	2100103623	Faizan
08	Mohd. Tabish	M.Sc (Chem)	2400104175	Tabish
09	Drishti Tiwari	B.Sc. (Hons) Chem	2400102876	Drishti
10	Md. Larqib Abbas	B.Sc (H) IC	2300103203	Larqib
11	Falak Jahan	B.Sc (PCM)	2300100512	Falak Jahan
12	Amit Ahmad	B.Sc (T.C)	2200103142	Amit Ahmad
13	Md. Darish Alam	B.Sc (IC)	2200100108	Darish
14	Mohd Ammar Khan	B.Sc (IC)	2200103750	Ammar
15	Sajista	B.Sc (IC)	2200103114	Sajista
16	Saiguna Mumtaz	B.Sc (IC)	2200102970	Saiguna
17	Shaikh Nigahat	B.Sc (IC)	2200103115	Nigahat
18	Nazish Fayyaz	B.Sc (IC)	2200102971	Nazish
19	Rishu Yadav	B.Sc (ZC)	2200104325	Rishu
20	Zehra Jamal	B.Sc (ZC)	2200104004	Zehra
21	Nabeel Ahmad	B.Sc (ZC)	2200100023	Nabeel Ahmad
22	Nafish Fatima	B.Sc (ZC)	2200103128	Nafish
23	Sahia Meera	B.Sc (ZC)	2200104072	Sahia Meera
24	Ratan Mishra	B.Sc (ZC)	2200103408	Ratan
25	Taneen Aqas Khan	B.Sc H. Chem	2400101444	Taneen
26	Ziaul Husain	M.Sc (Chem)	2100100145	Ziaul

*[Signature]*

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